

FIG. 1

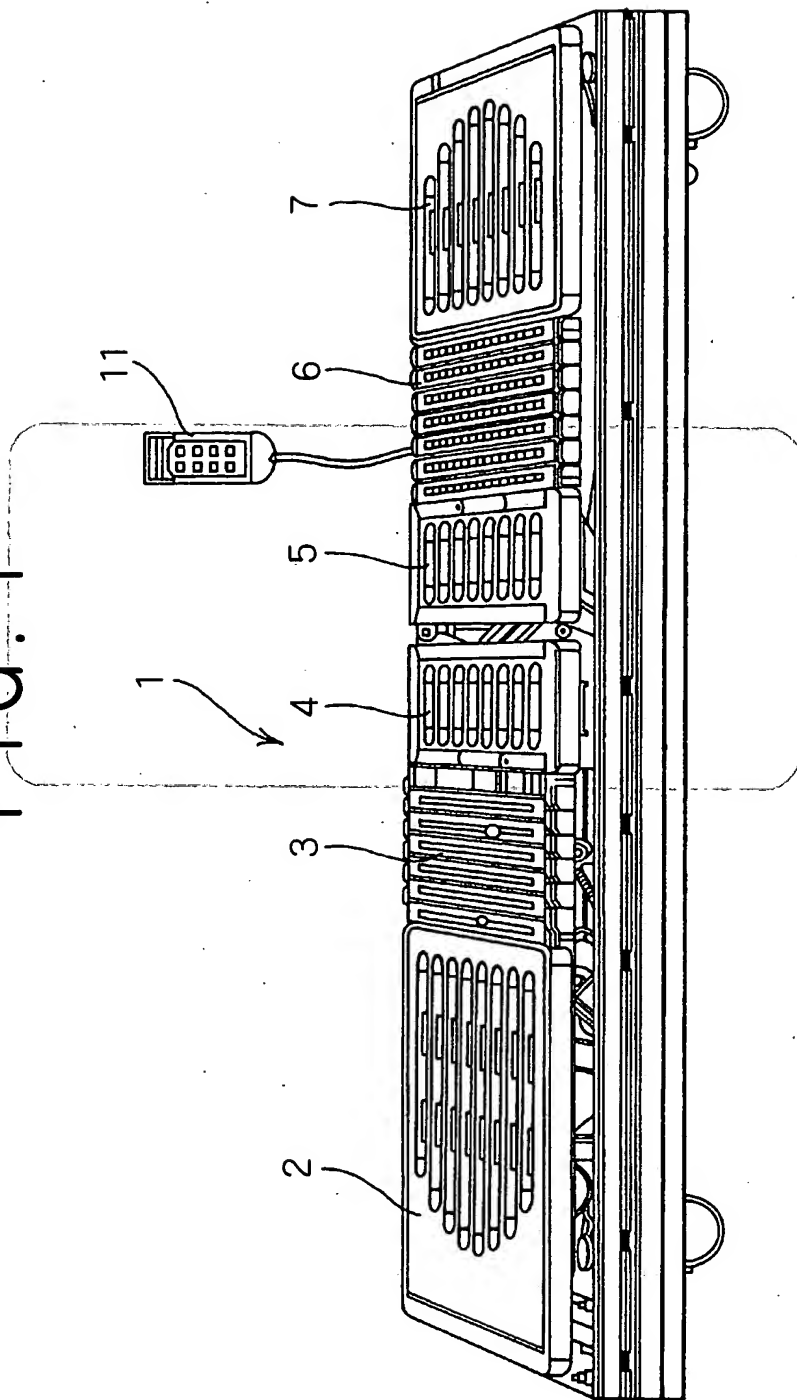


FIG. 2

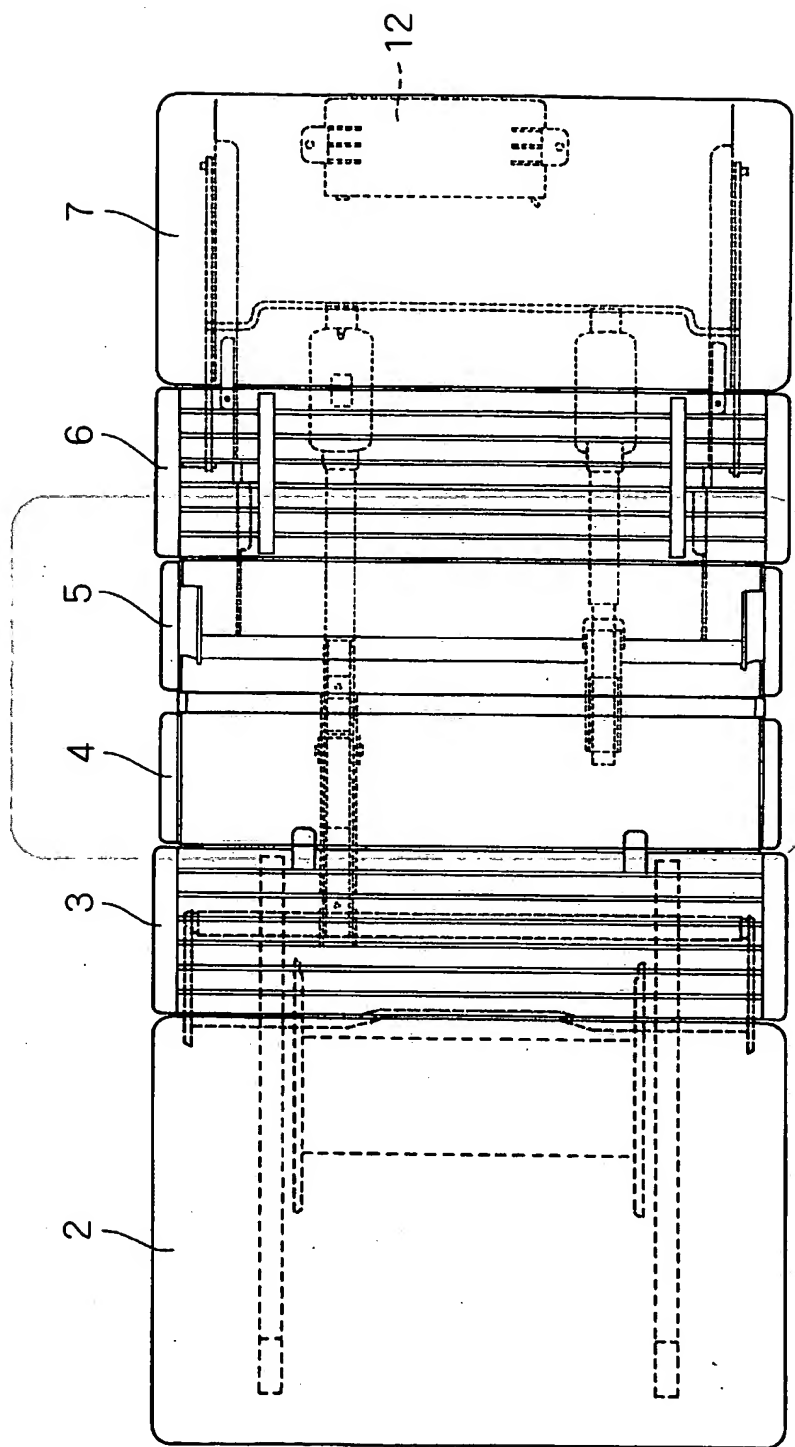


FIG. 3

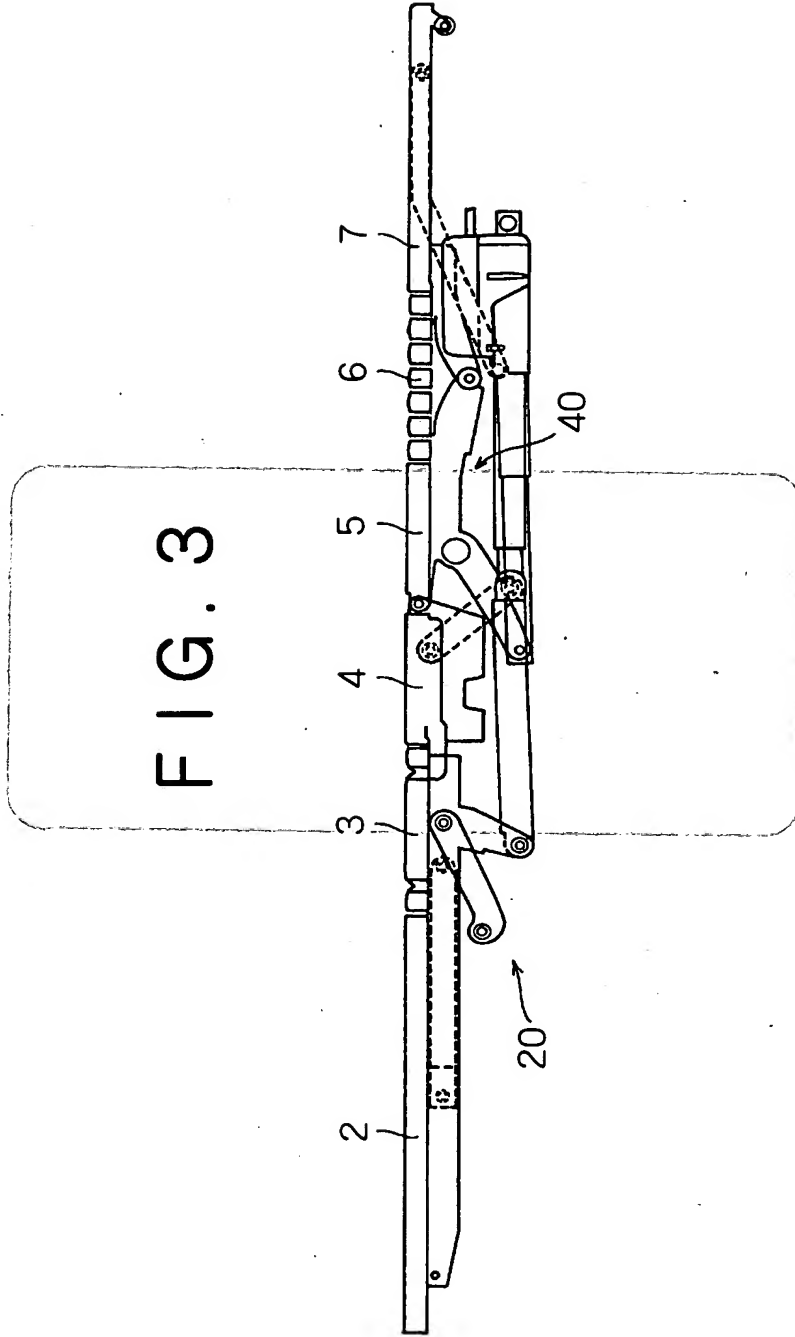
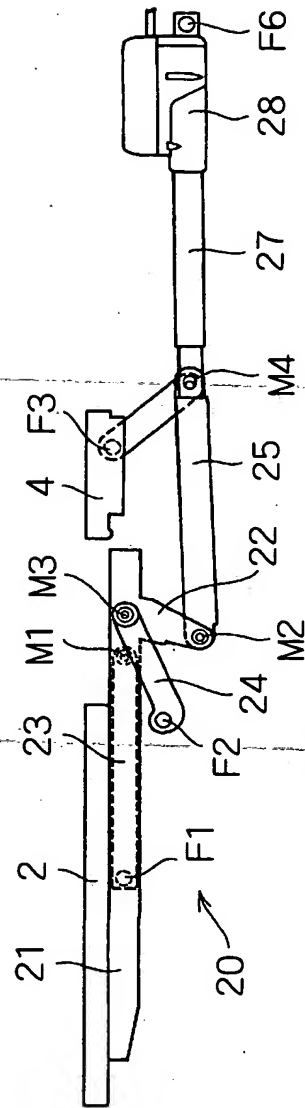


FIG. 4

FIG. 4 is a schematic diagram of a mechanical assembly. It shows a base 2 with a vertical support 22. A horizontal member 25 is connected to the support via a pivot 24. A vertical member 4 is connected to the horizontal member via a pivot 5. A spring 23 is shown between the base and the vertical member. Labels M1, M2, M3, and F3 indicate specific points or forces.



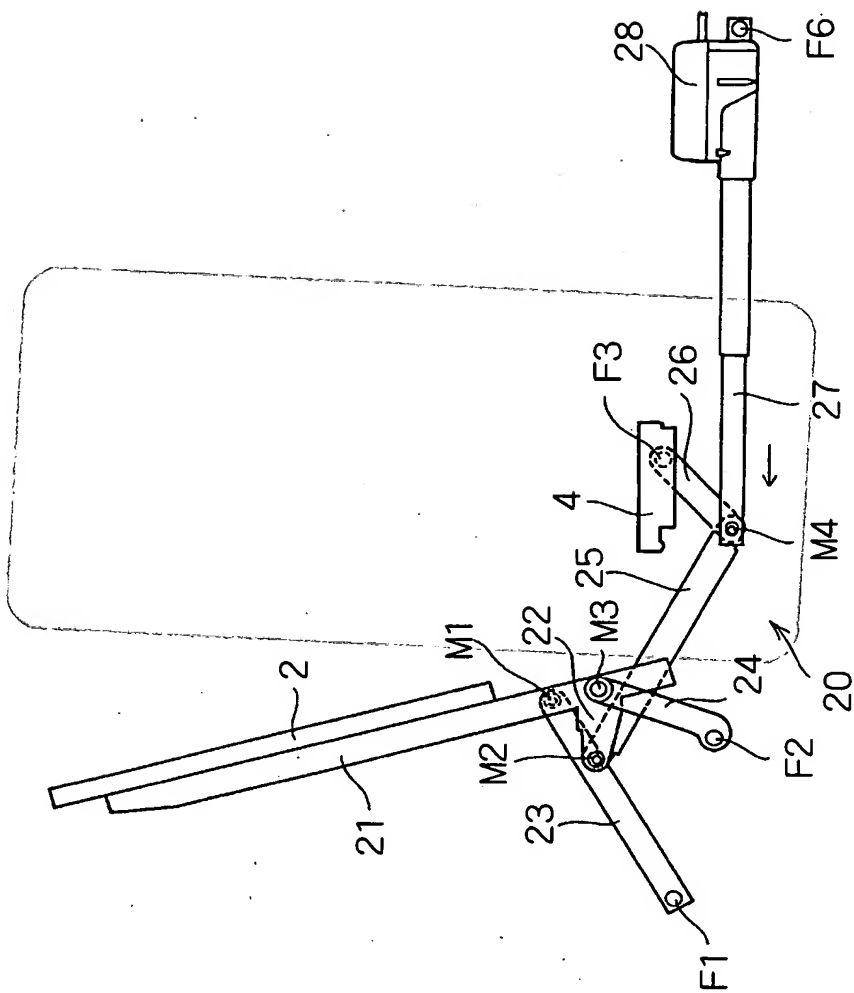


FIG. 6

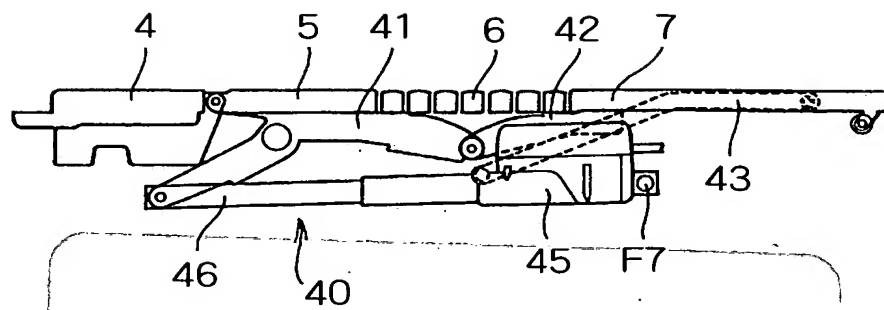
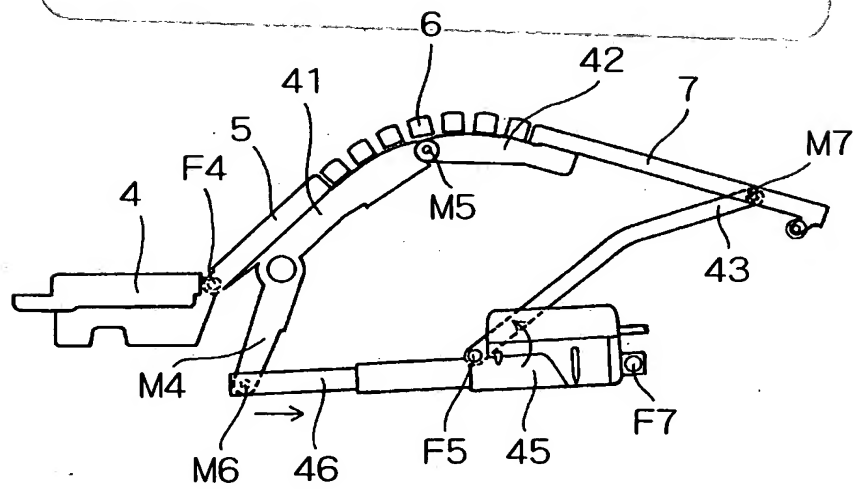


FIG. 7



$(\alpha, \beta) = (0, 0)$

FIG. 8

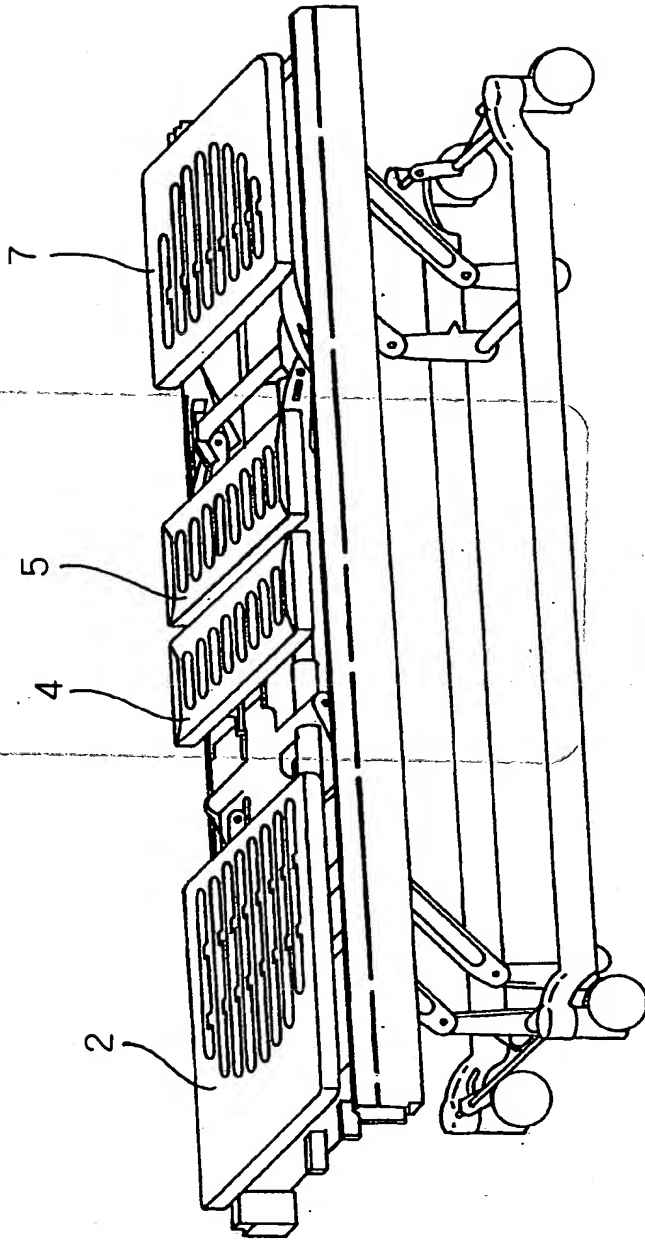


FIG. 9

$(\alpha, \beta) = (0, 25)$

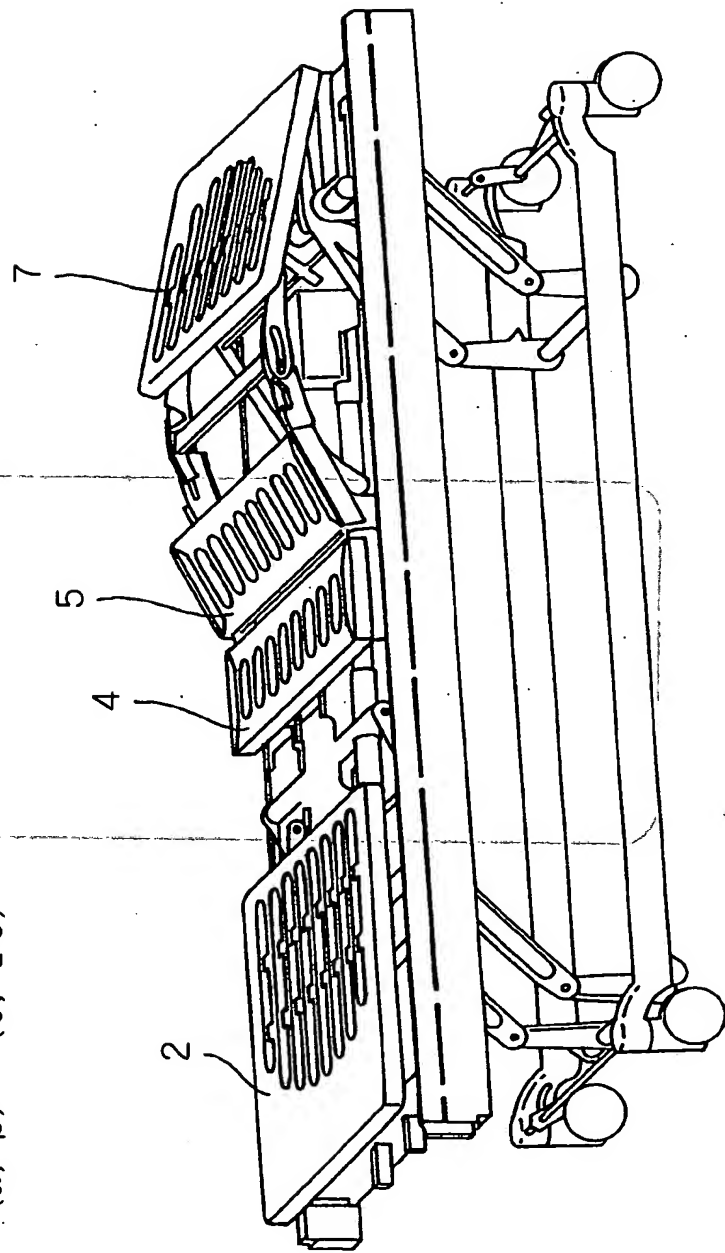


FIG. 10

$(\alpha, \beta) = (40, 25)$

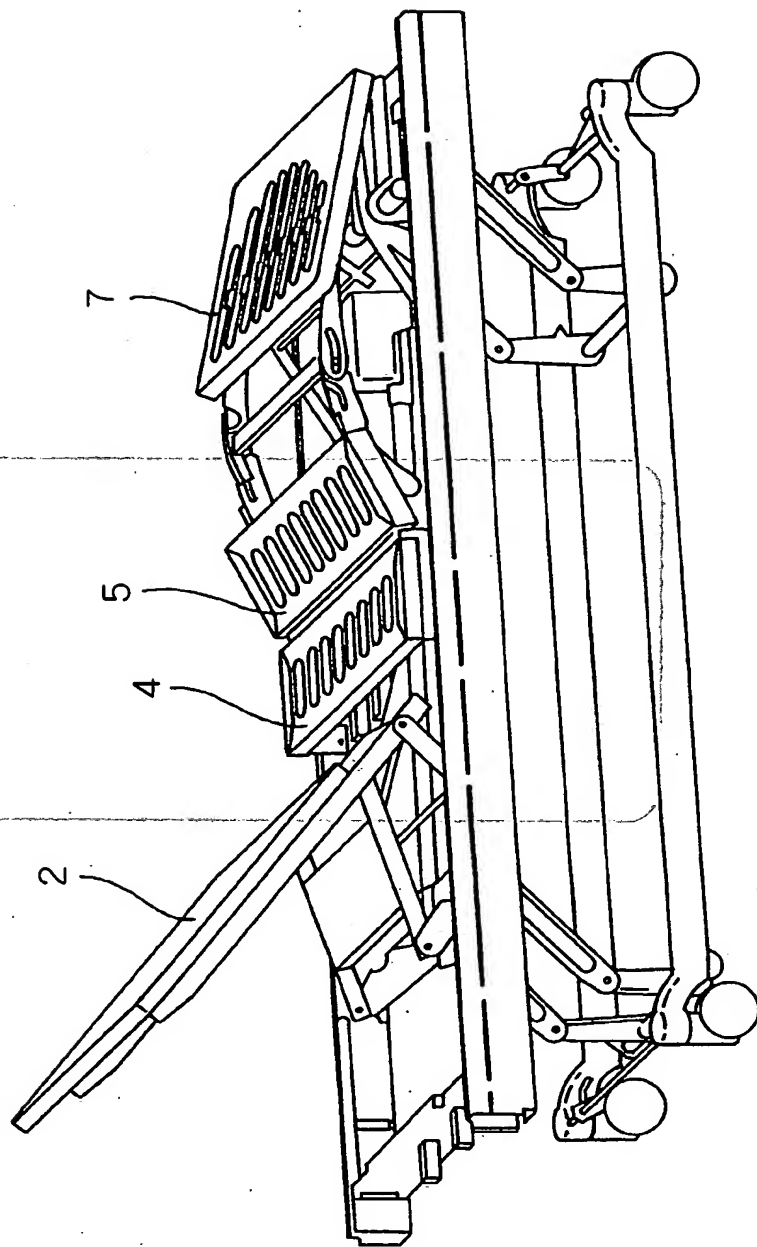


FIG. 11

$(\alpha, \beta) = (47, 15)$

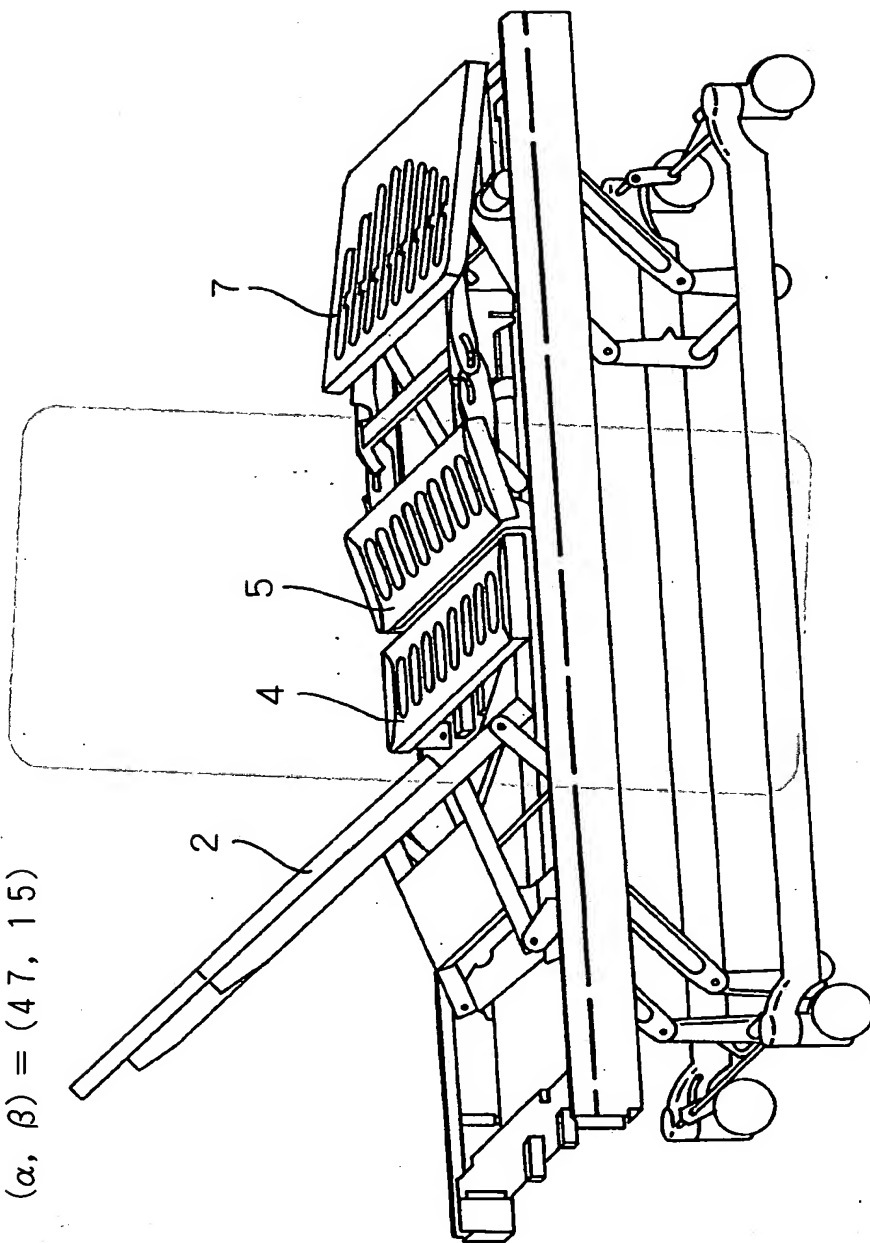


FIG. 12

$(\alpha, \beta) = (60, 15)$

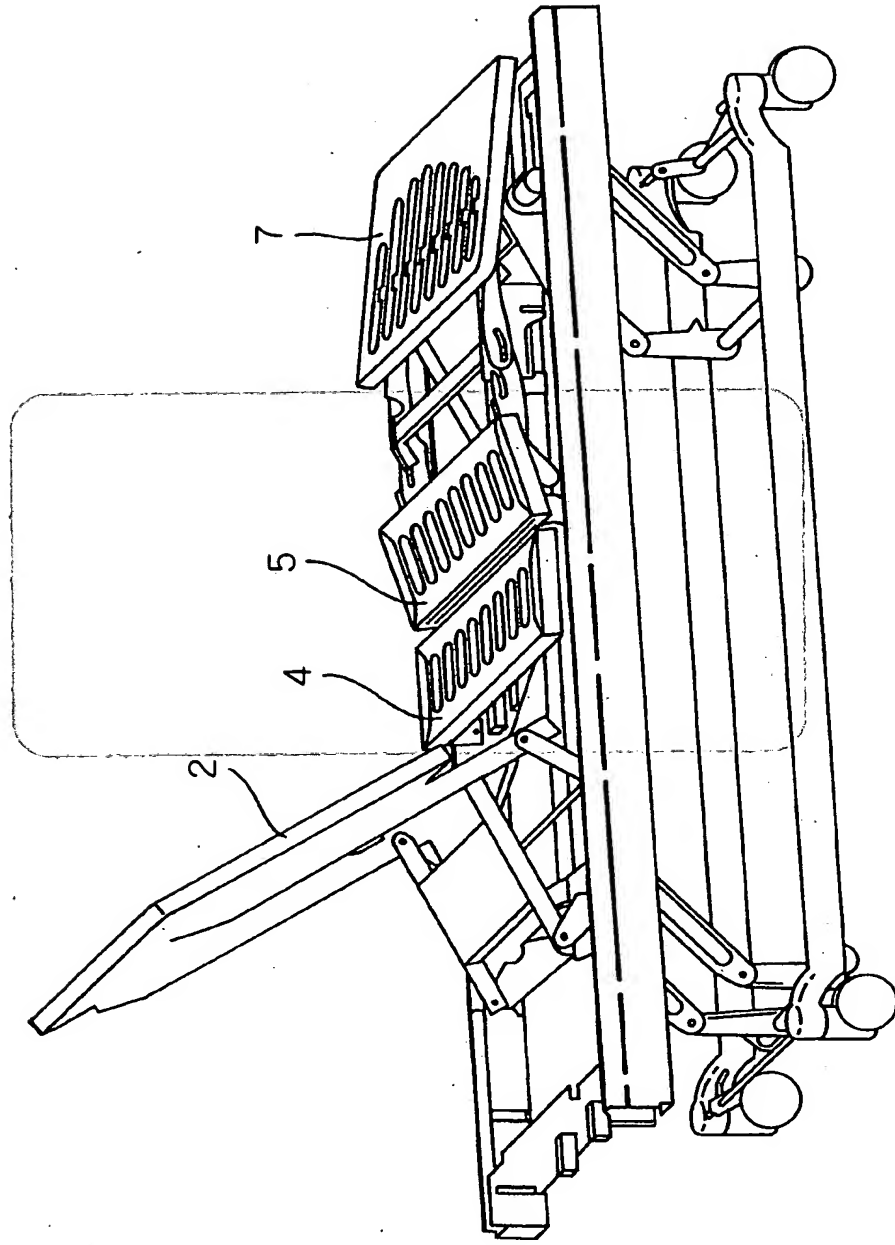


FIG. 13

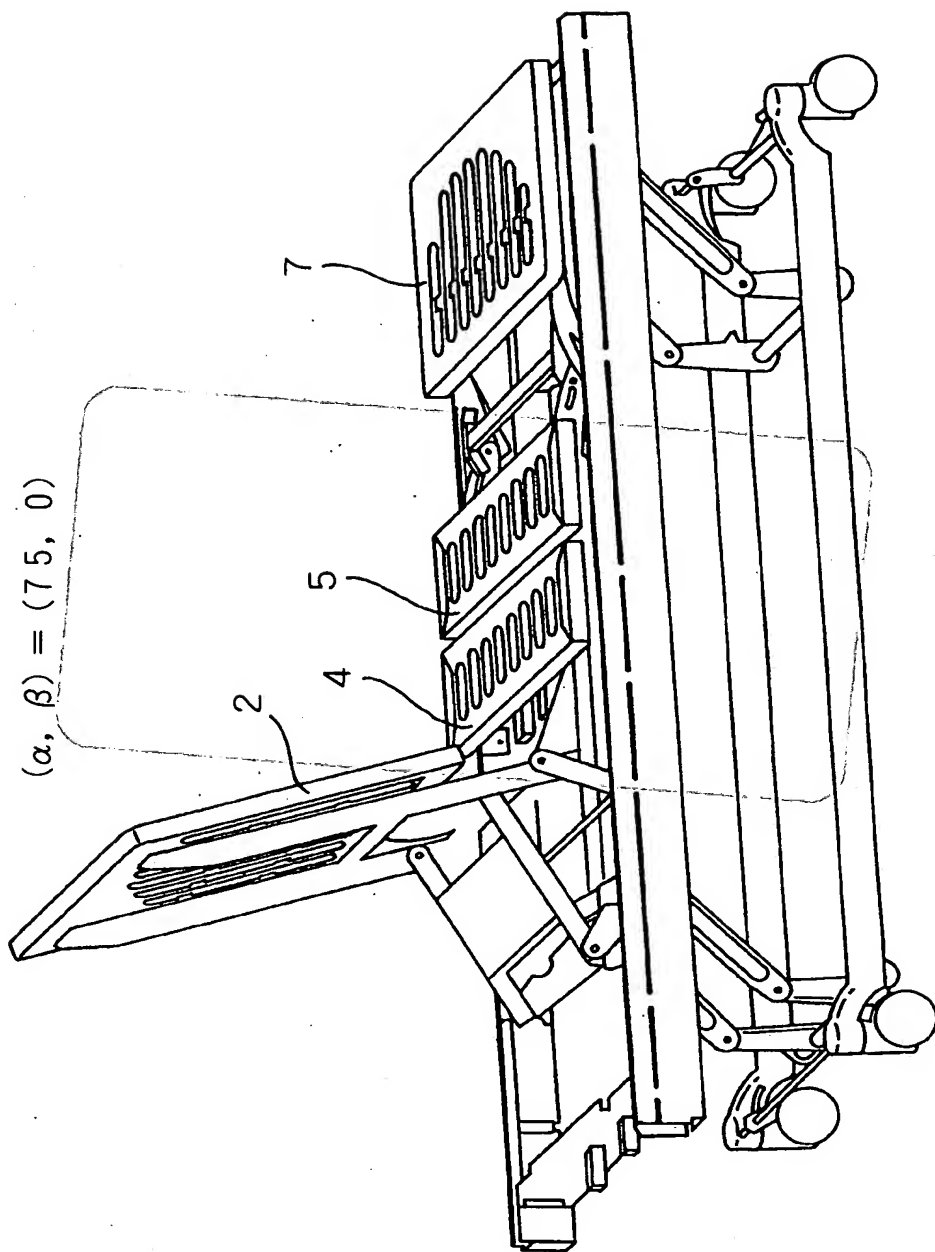


FIG. 14

$(\alpha, \beta) = (64, 10)$

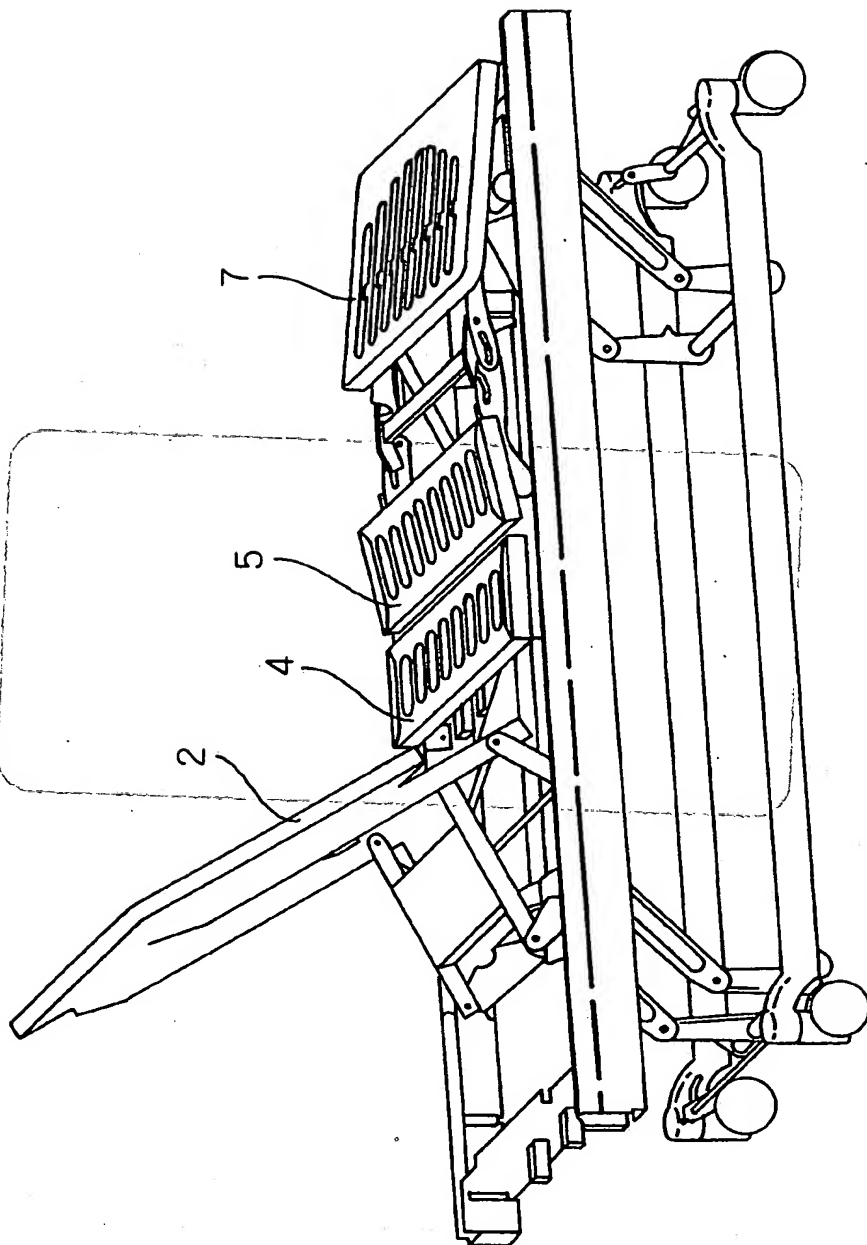


FIG. 15

$(\alpha, \beta) = (50, 10)$

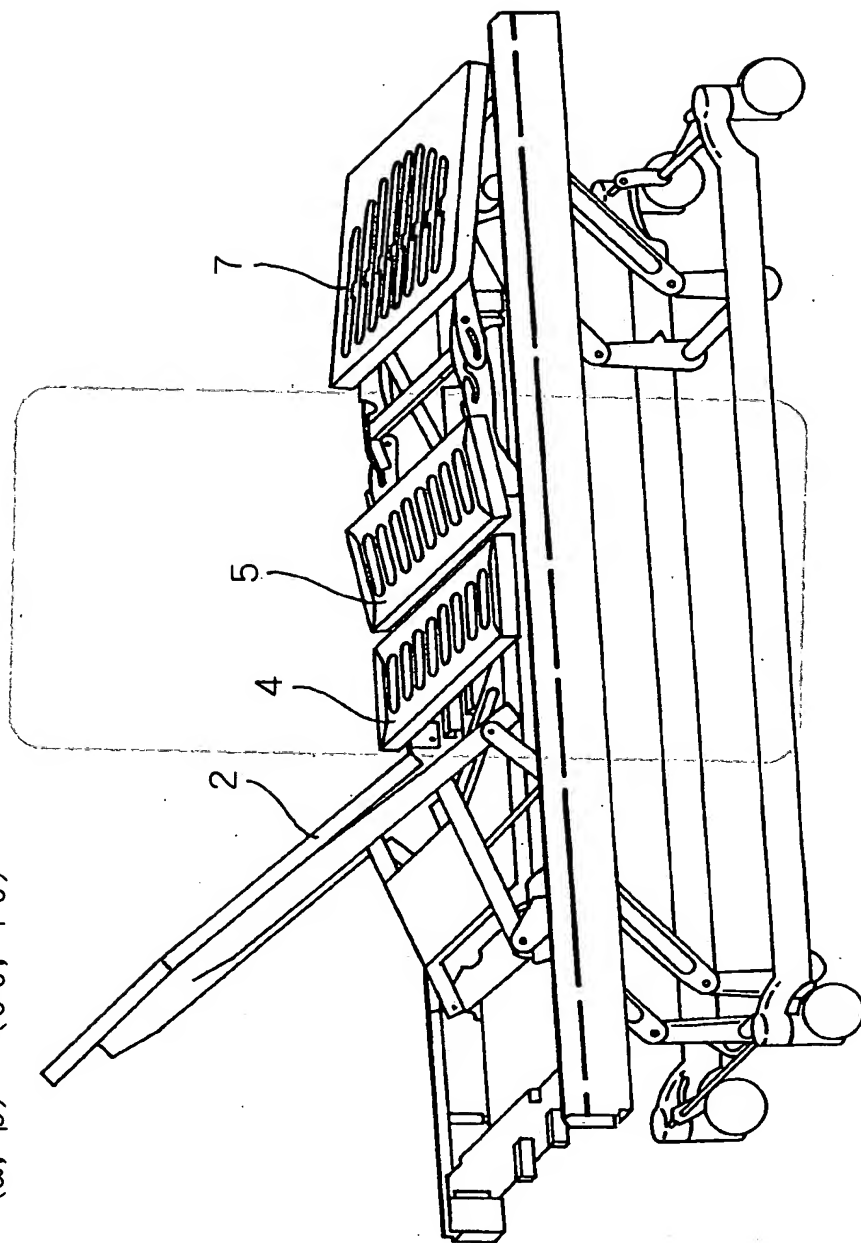


FIG. 16

$(\alpha, \beta) = (40, 25)$

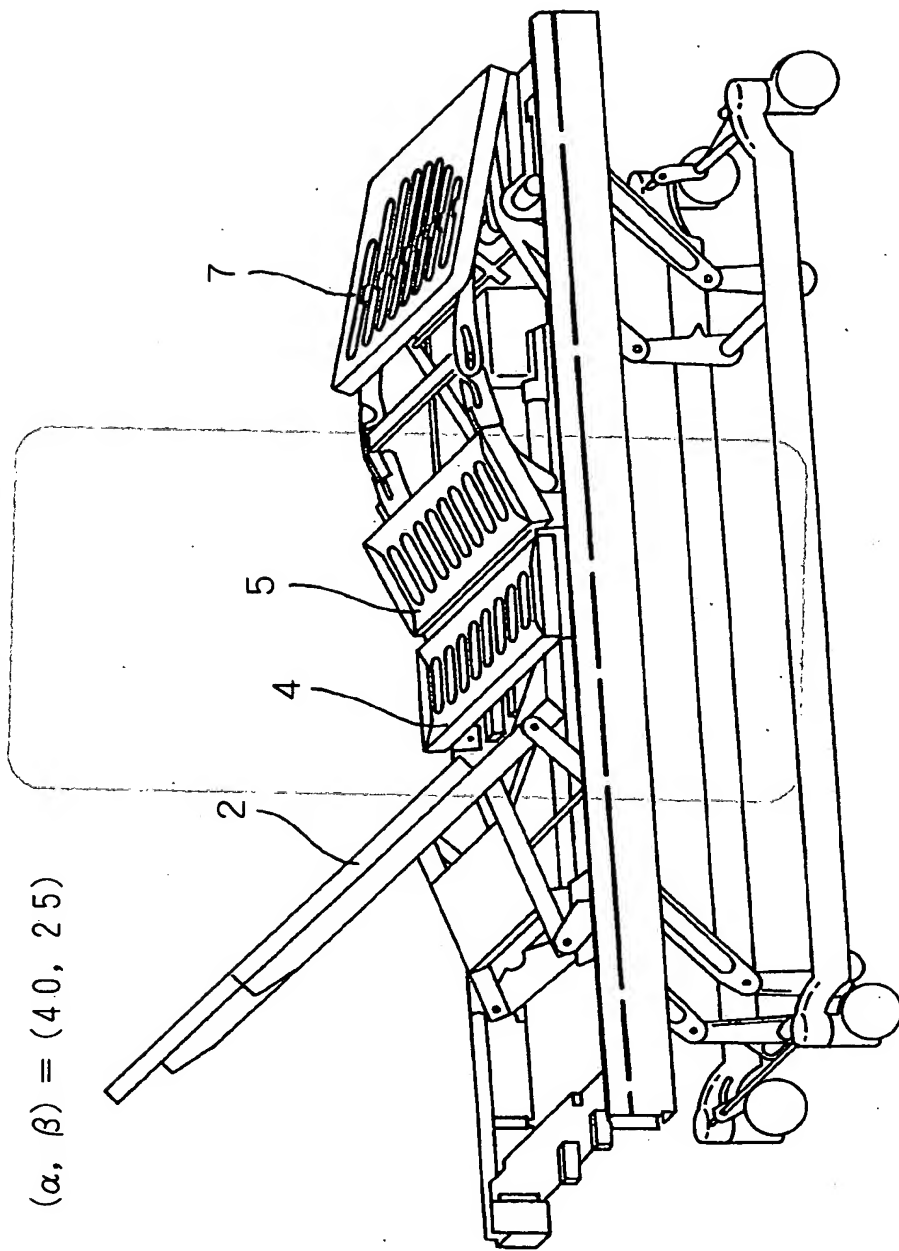


FIG. 17

$(\alpha, \beta) = (19, 25)$

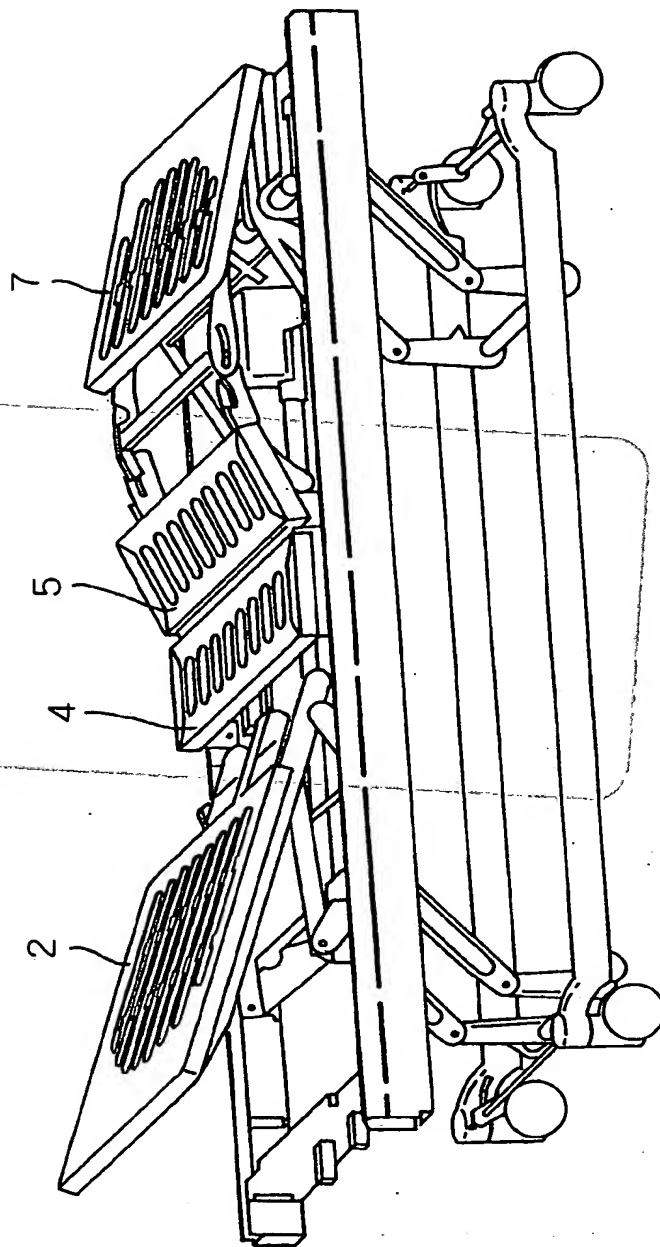


FIG. 18

$(\alpha, \beta) = (0, 10)$

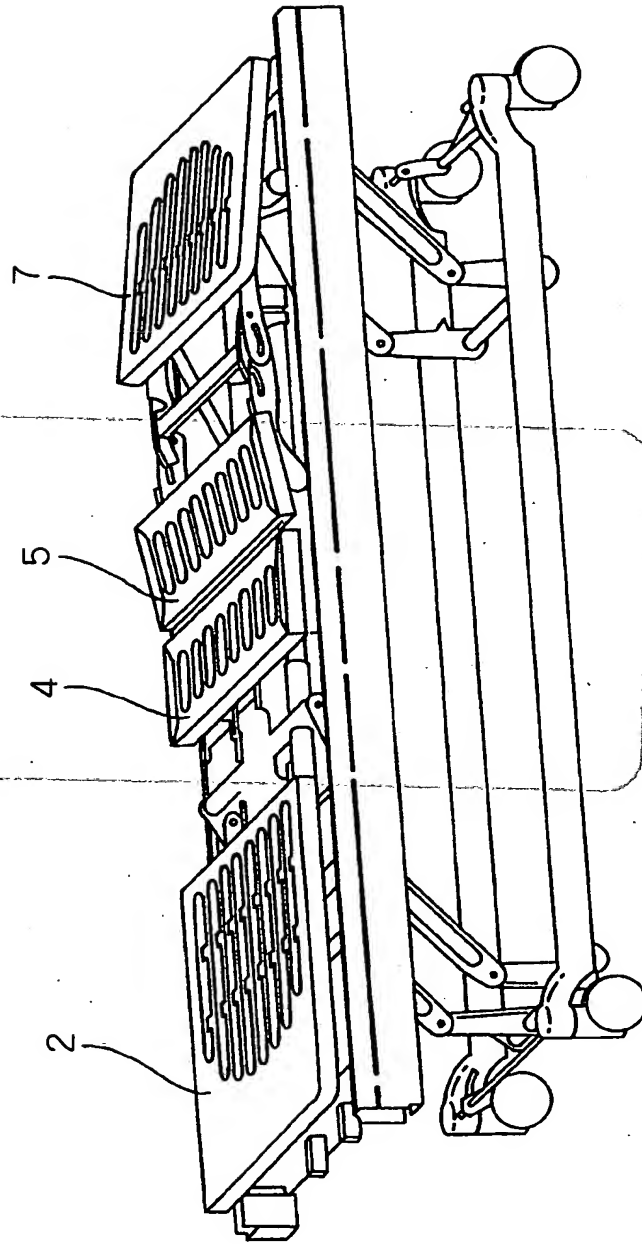


FIG. 19

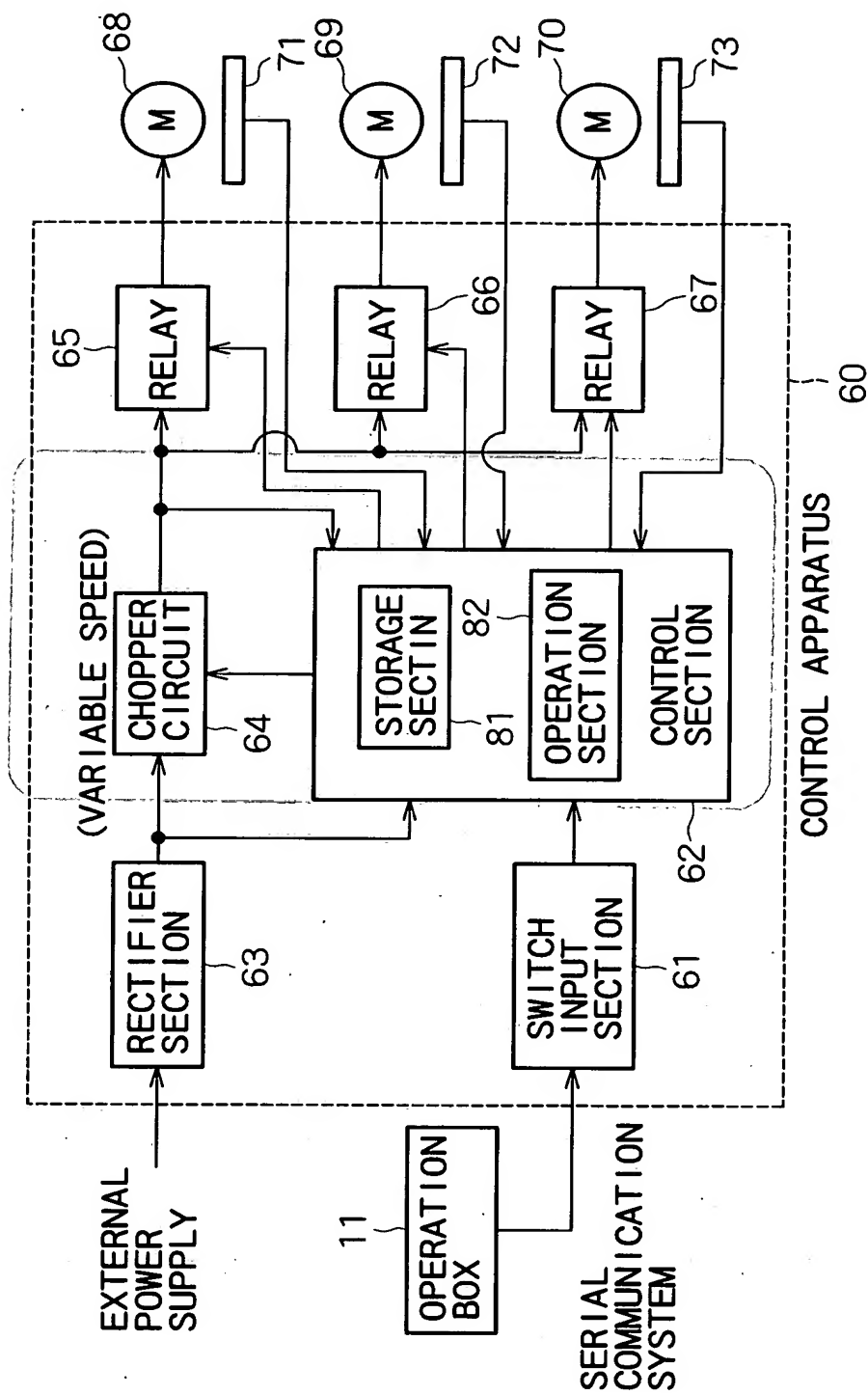
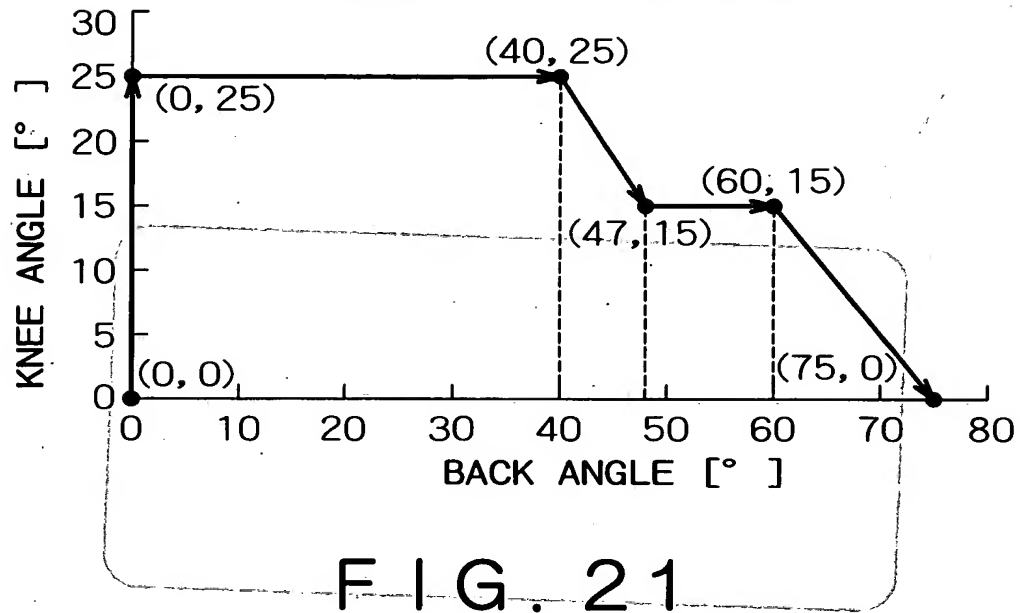


FIG. 20

BACK LIFT-UP PATTERN



BACK LIFT-DOWN PATTERN

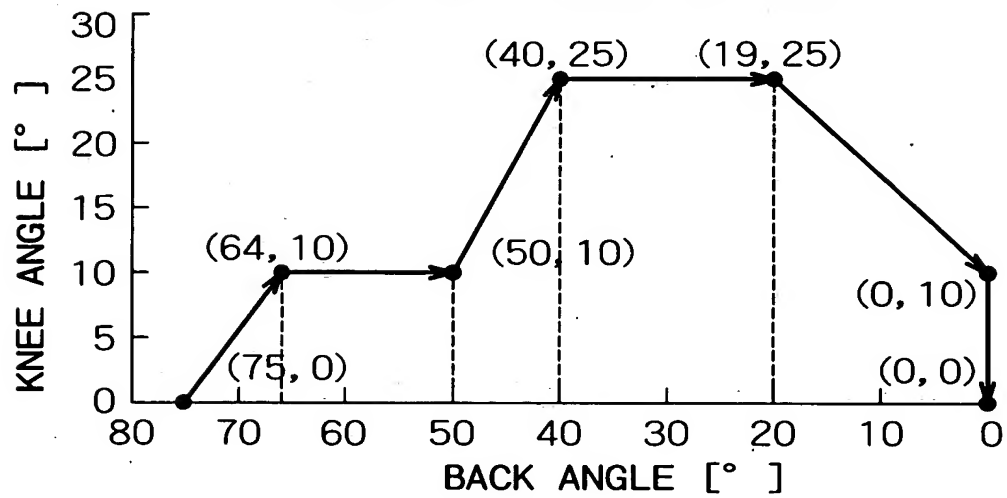


FIG. 22

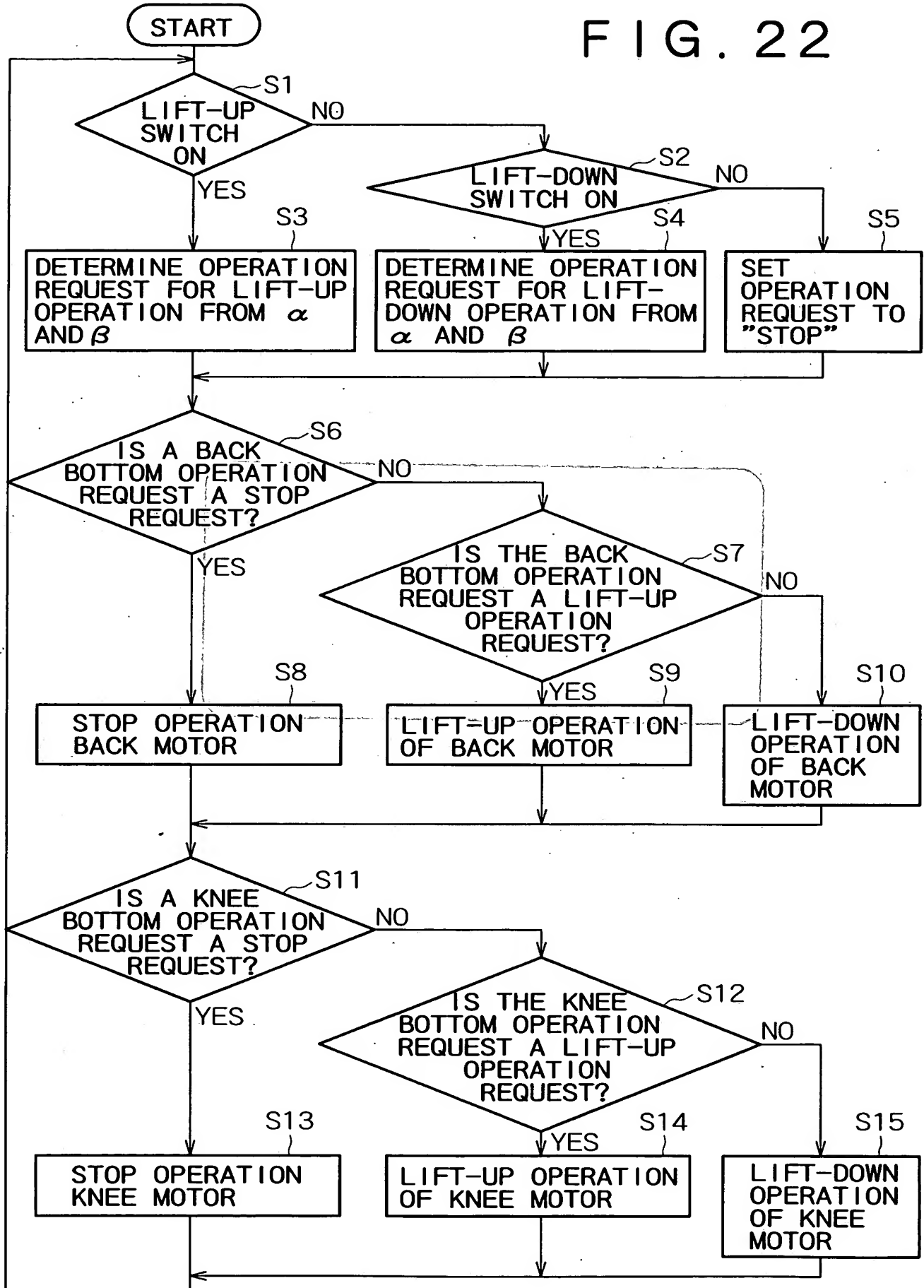


FIG. 23

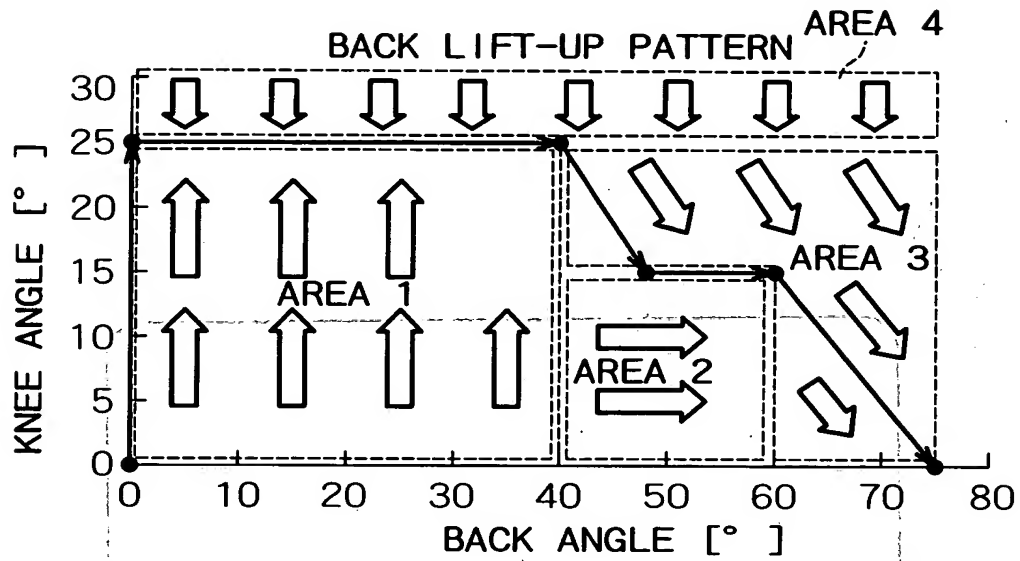


FIG. 24

